

1/5

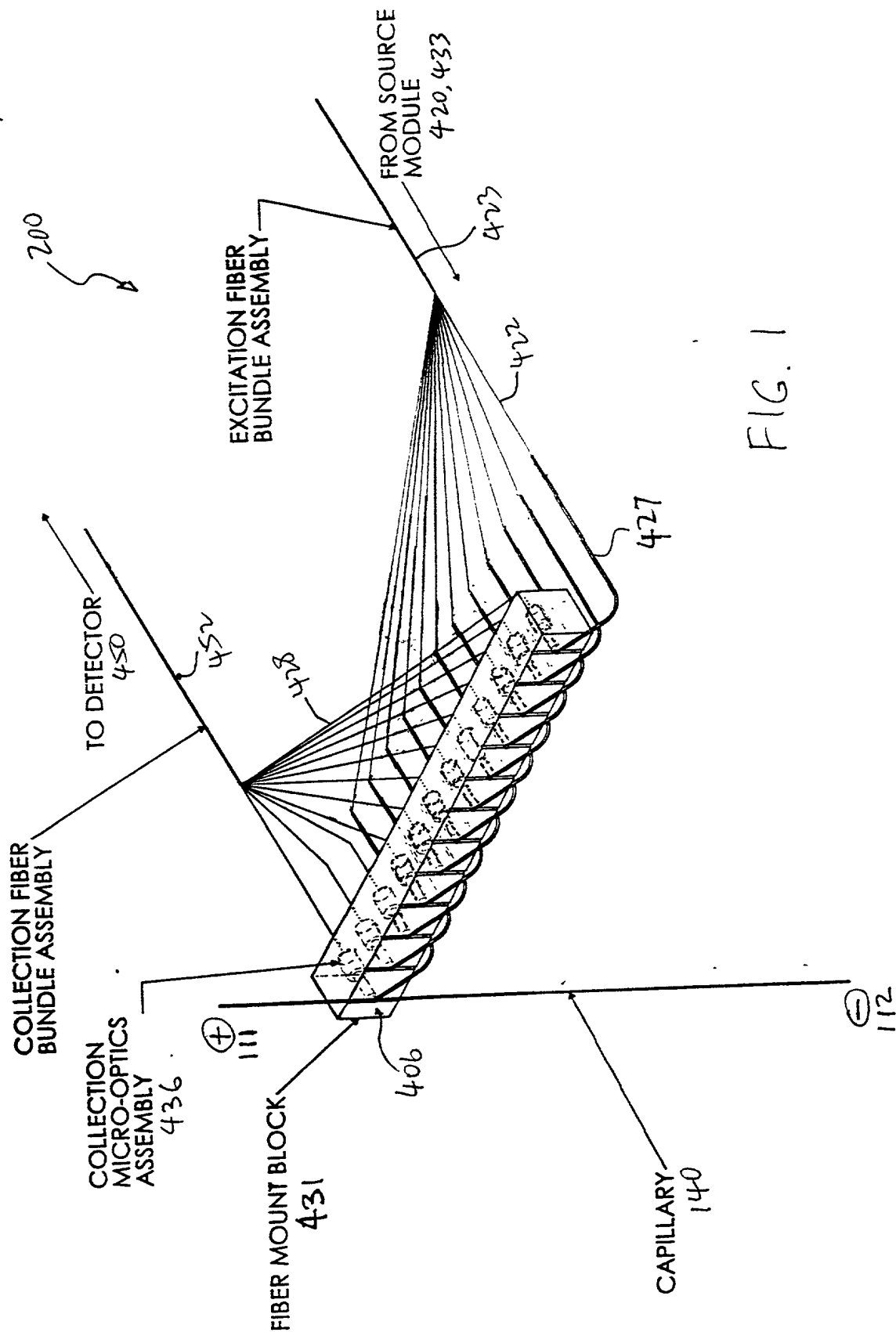
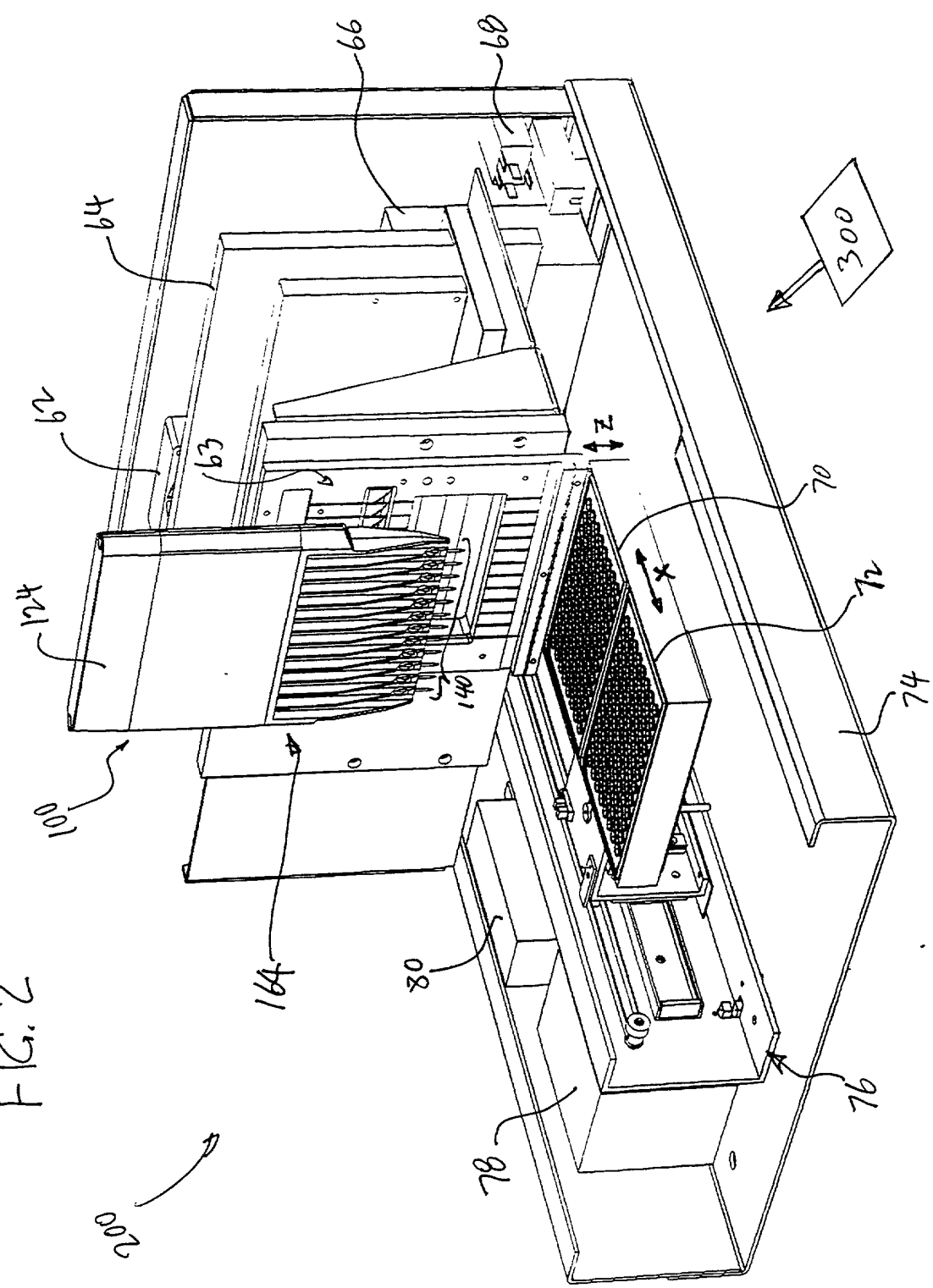


FIG. 1

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FIG. 2



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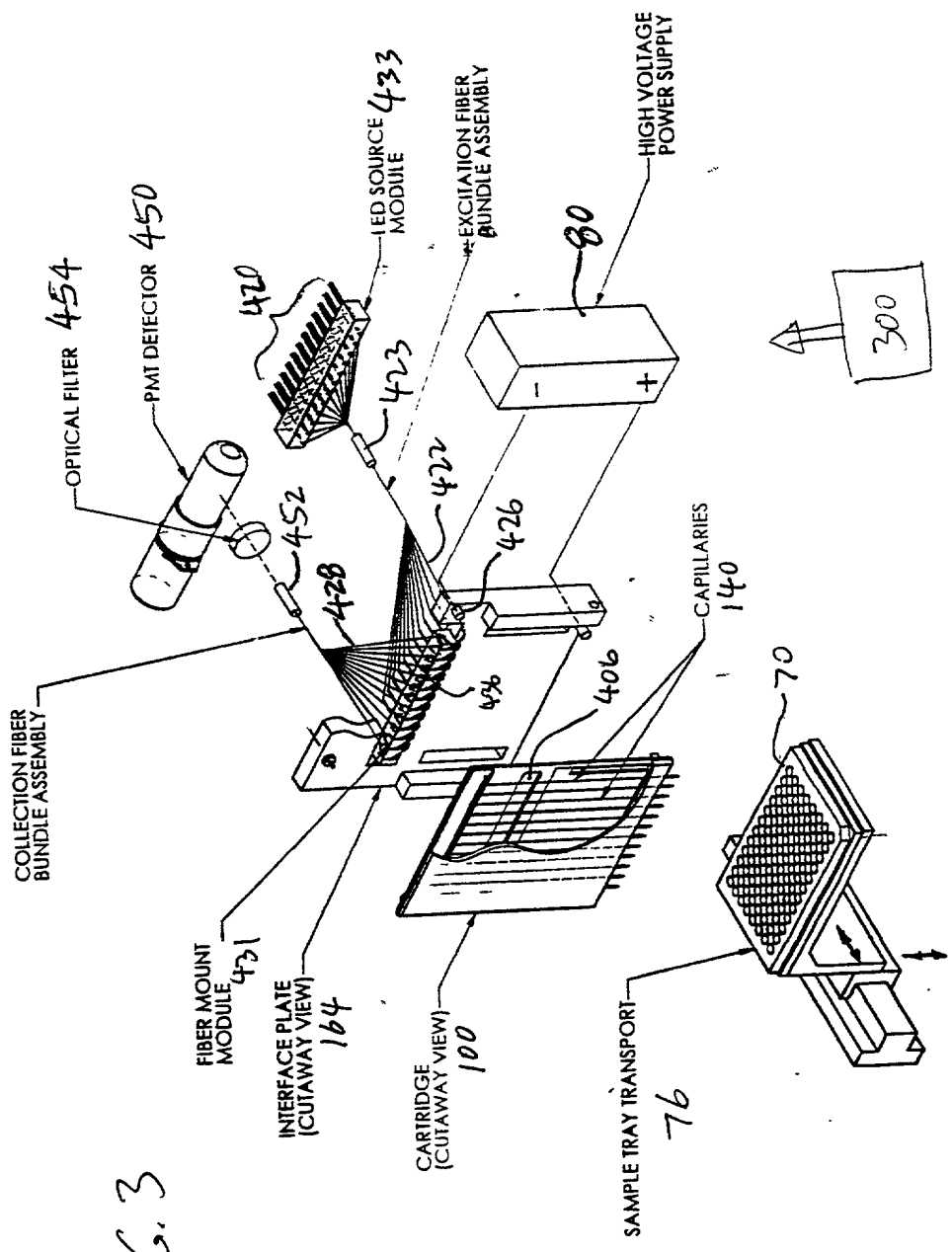
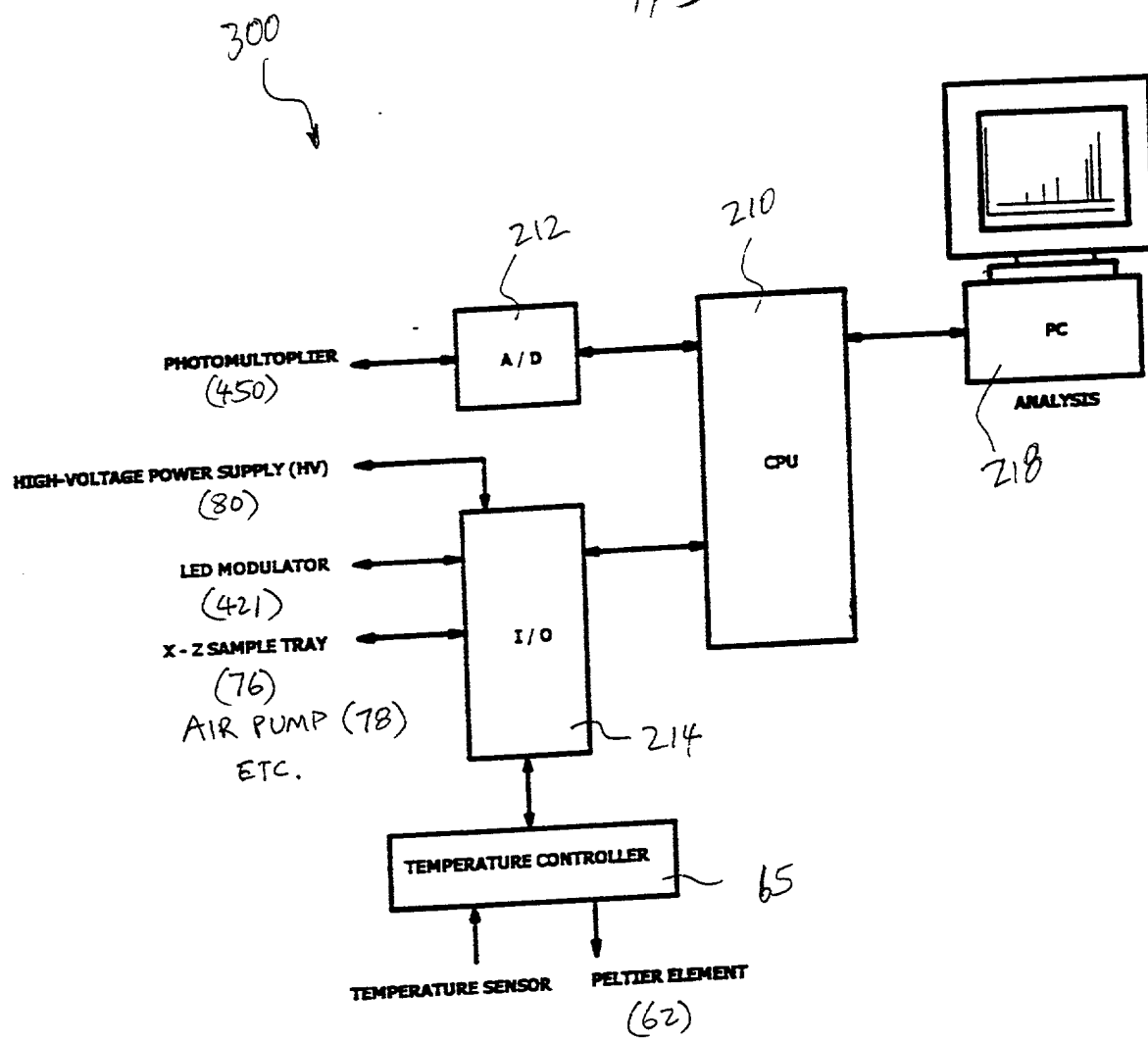


FIG. 3

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CONTROL SYSTEM DIAGRAM

FIG. 4

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Duty Cycle = $1/12 = 8.3\%$

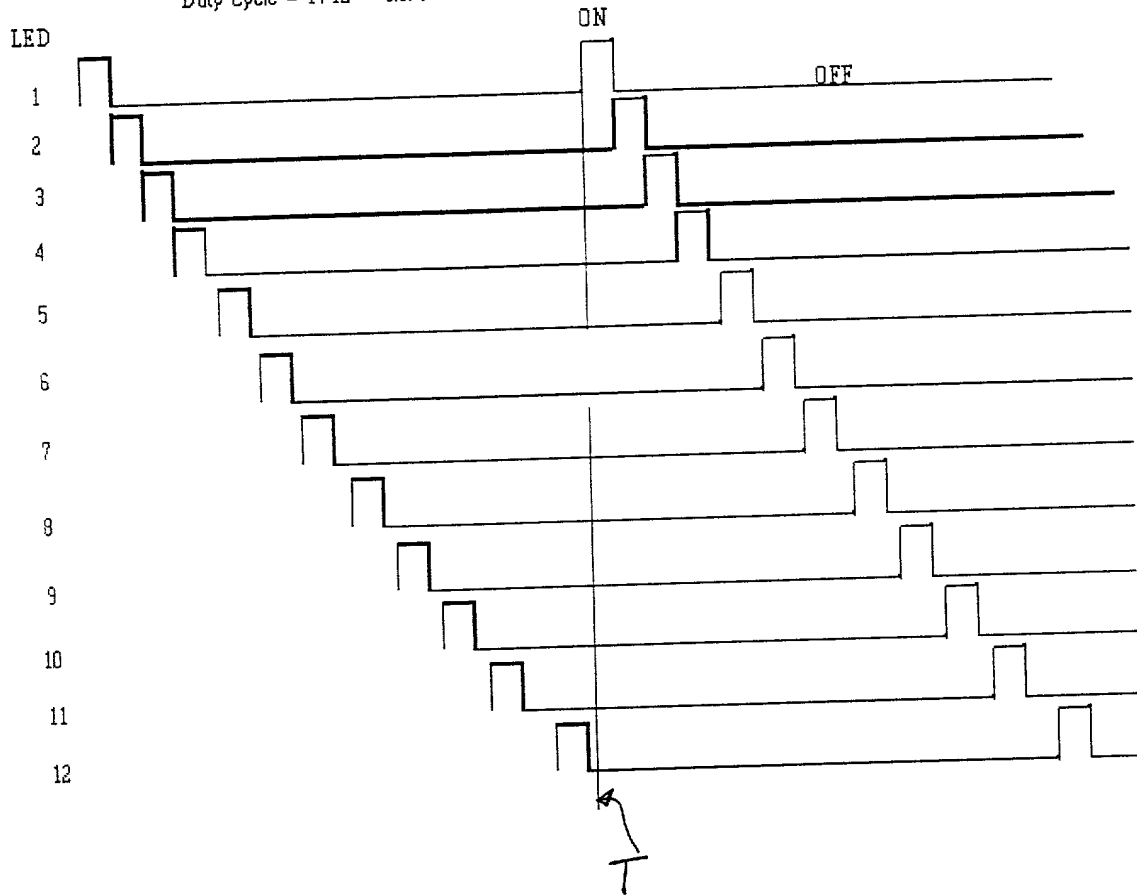


FIG. 5